

In the specification:

Please rewrite the Title on Page 1 as follows:

DEVICE FOR INFUSION THERAPY

Please rewrite paragraph [0001] as follows:

The present invention relates to a device for infusion therapy including a balloon catheter that can be inserted into a blood vessel to transluminally administer drugs and cells or supply a treatment instrument for treatment of cardiac muscle or the like, and a device for infusion therapy including the balloon catheter.

Please rewrite paragraph [0011] as follows:

[0011] Specifically, the invention according to claim 1 provides a balloon catheter for insertion into a blood vessel in which a plurality of lumens extending along an axis are formed in one catheter body, and two expandable balloons expand toward outside with respect to the catheter body are arranged axially in parallel, characterized in that the plurality of lumens comprises: an infusion lumen that has an infusion hole communicating with an outside of the catheter body between the two balloons, and can supply drugs, cells, a treatment instrument, or the like to the outside of the catheter body through the infusion hole; balloon lumens that communicate with insides of the two balloons to control expansion of the balloons; a bypass lumen that communicates with the outside of the catheter body in each position distal and proximal, which is outside of the two balloons with respect to a tip of the catheter body, and bypasses an occluded area formed by the two balloons to allow blood flow; and a guide lumen into which a guide wire that guides the catheter body to a target position is inserted. Specifically, the invention provides a device for infusion therapy including: a balloon catheter; a guide wire to be inserted into a guide lumen of the balloon catheter; pulsation detection means for detecting pulsation of the heart; and stroke means for causing the guide wire to stroke in synchronization with the pulsation of the heart based on a detection signal of the pulsation detection means, wherein the balloon catheter is a balloon catheter for insertion into a blood

vessel in which a plurality of lumens extending along an axis are formed in one catheter body, and two expandable balloons expand toward outside with respect to the catheter body are arranged axially in parallel, characterized in that the plurality of lumens include: an infusion lumen that has an infusion hole communicating with an outside of the catheter body between the two balloons, and can supply drugs, cells, a treatment instrument, or the like to the outside of the catheter body through the infusion hole; balloon lumens that communicate with the insides of the two balloons to control expansion of the balloons; a bypass lumen that communicates with the outside of the catheter body in each position distal and proximal, which is outside of the two balloons with respect to a tip of the catheter body, and bypasses an occluded area formed by the two balloons to allow blood flow; and a guide lumen into which a guide wire that guides the catheter body to a target position is inserted, and the guide lumen communicates with the outside of the catheter body in each position distal and proximal, which is outside of the two balloons to also serve as the bypass lumen.

Please add paragraph [0014.2] as follows:

[0014.2] There is no need for the independent bypass lumen, thus reducing the number of lumens in the catheter body to increase a sectional area of a hole of the bypass lumen.

Please add paragraph [0014.4]

[0014.4] Pumping action in the bypass lumen by causing the guide wire to stroke in synchronization with the pulsation of the heart improves efficiency of blood circulation by the bypass lumen.

Please add paragraph [0014.6]

[0014.6] If lost cells of cardiac muscle tissue or a blood vessel can be reconstituted by infusing various factors, drugs, cells or the like, the condition of the disease can be essentially improved. The treatment method to which the invention is suitably applied, that is, the idea of the approach to an organ such that various

factors, drugs, and cells are infused into an ischemia area in reverse of blood flow through the coronary vein to substantially treat the organ has been unknown.

Please rewrite paragraph [0015] as follows:

[0015] Next, the invention according to claim 2 is characterized in that one balloon lumen communicates with the insides of the two balloons in addition to the configuration according to claim 1.

Please delete paragraph [0017].

Please delete paragraph [0018].

Please rewrite paragraph [0019] as follows:

[0019] Next, the invention according to claim 4 is characterized in that the balloon catheter is a catheter for insertion into a coronary vein in addition to the configuration according to any one of claims 1 to 3.

Please delete paragraph [0022].

Please delete paragraph [0023].

Please delete paragraph [0024].

Please rewrite paragraph [0048] as follows:

[0048] Next, the guide wire 9 is pulled back until the tip ~~to~~ 4a of the guide wire 9 is brought to a position near and distal to a bypass hole (the state in Figure 2). This causes the hole of the tip ~~to~~ 4a of the guide lumen 4 to communicate with the bypass hole to allow blood flow bypassing the outside of the catheter body 1 at the positions of the two balloons 2 and 3.